



CDF Operations Report

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09-JUN-2003

All Experimenters' Meeting



Stores summary

Date	Store	Duration (h)	Inst Lum (initial)	Int Lum (delivered)	Int Lum (live)	ϵ
Mo 6/2	2636	15.0	21.8e30	623.7	476.1	76.3%
Tu 6/3	2642	17.6	32.6e30	1006.3	833.1	82.8%
We 6/4	2644	2.2	30.0e30	193.2	116.5	60.3%
Th 6/5	2646	22.6	27.6e30	945.1	839.4	88.8%
Fr 6/6	2658	5.2	29.4e30	395.8	370.6	93.6%
Sa 6/7	2662	16.2	25.2e30	746.1	589.5	78.3%
Su 6/8	2665	14.6	31.0e30	881.7	733.9	83.2%
Total				4.8 pb ⁻¹	4.0 pb ⁻¹	82.5%



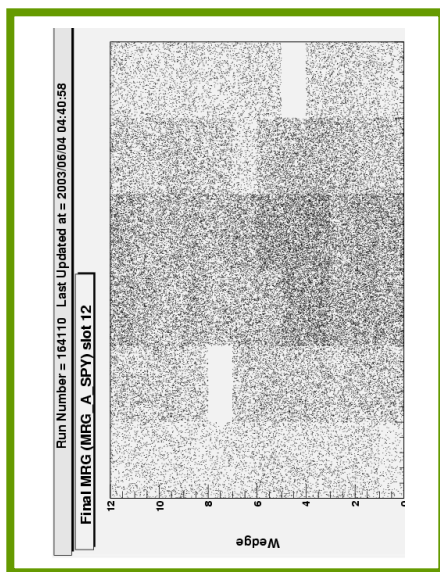
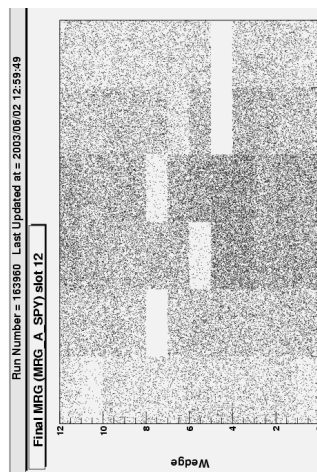
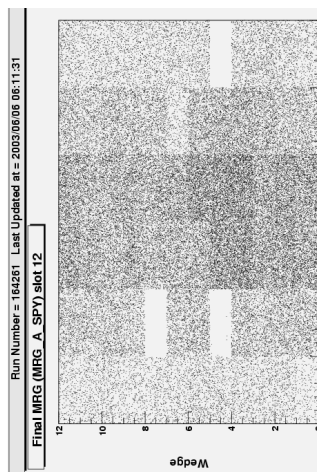
Store details

- **Store 2636 (76.3%)**
 - High losses, rescraping necessary
 - Shook out last vestiges of the power cuts
- **Store 2642 (82.8%)**
 - Online calibration DB wiped out
 - Took questionable data (~30% of lumi delivered) until we figured out how to fake it
- **Store 2644 (60.3%)**
 - High losses for ~1 hr, store 2.2 hours long
- **Store 2646 (88.8%)**
 - CLC crate PS failed twice, lumi accounting a headache
 - Solenoid trip (LCW pump switched to backup)
- **Store 2658 – Fine (but short) (93.6%)**
- **Store 2662 (78.3%)**
 - Struggled with 2 SVX wedges, gave up on them, fixed in access
- **Store 2665 (83.2%)**
 - Two Si crate failures (one fixed w/ remote reset, other by power cycling)

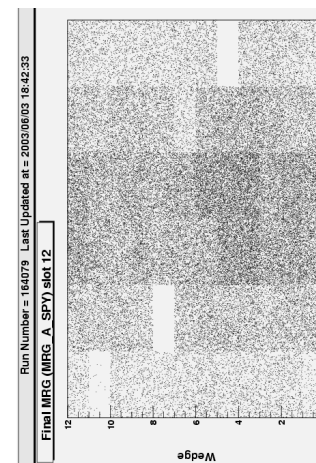
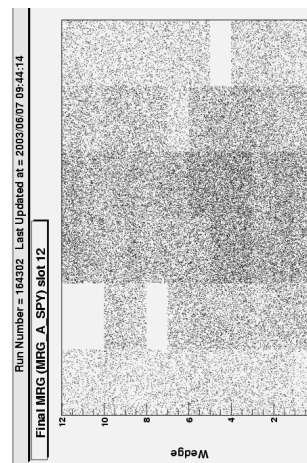


Access work

- Fix three calorimeter fan failures
- Fix 1 sector of forward muon detectors (HV cable)
- Fix silicon ladders/wedges:



NOMINAL





Summary

- CDF bitten by lots of isolated problems
 - DB, solenoid trip, CLC power supply, etc.
 - All have been understood, improved for the future
- ...and lots of silicon problems
 - RX failures, blown fuses, power supply problems
 - All have quick fixes, but require access
 - Prior to power cut, very stable silicon operation (but no causality arguments implied here)
- Some luminosity this week sacrificed to special runs
 - Dedicated runs for understanding calorimeter energy scale
 - Testing trigger upgrades --- we are ready for 50e30
- Took 4 pb⁻¹ to tape, probably 75% was physics-quality